



ENVIRONMENTAL NEWSLETTER

SOUTHWEST DIVISION, Naval Facilities Engineering Command
1220 Pacific Highway, San Diego, California 92132-5190

Vol. 1, No. 1

September 1999

Who we are. . .

It is with great pleasure. . .

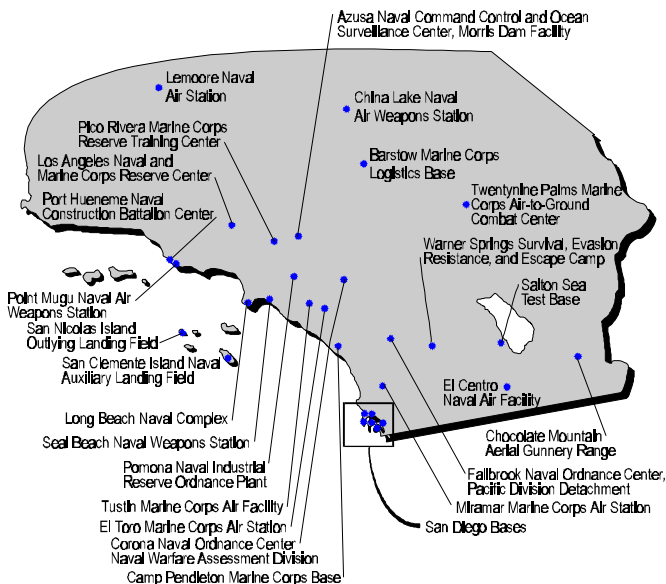
that I present to you the first edition of our quarterly Environmental Newsletter. This newsletter is your information resource and we want it to be of value to **you**. Over the past year, you have made significant achievements in execution of the environmental program. We have exceeded our execution and work-in-progress goals, gained regulatory acceptance of innovative technologies, signed more decision documents, and are meeting our program goals as laid out in the Environmental Action Plans. **We want to get the word out!** So the primary purpose of this newsletter is to report highlights in the Environmental Business Line on the West Coast. The secondary purpose of this newsletter is to keep you (the reader) informed about innovative technologies, regulatory initiatives, and technical advances. Amongst many other forums, our technical brown bags have proven to be one of the best to learn new procedures, exchange ideas, and enhance communication in the Environmental Business Line; therefore, we plan to include excerpts of brown bag sessions in future newsletters.

This newsletter also serves a third purpose: to increase environmental awareness across the business lines. In essence, we see this newsletter being read not only by Remedial Project Managers, Technical Managers, Contracting Specialists, and me, but also being read by professionals across all the business lines.

Our first issue includes compliance, contracting, regulatory, and technical information. Our plan is to keep these global categories in mind when deciding on information to include in future issues. We need your input. We welcome any comments, thoughts, or suggestions you may have on how this newsletter can better serve you.

Continued success in FY00,

Dana Sakamoto
Environmental Business Line Manager



Southern California Bases

HOT NEW TOPIC

ISO 14000 is spreading like flames across the Department of the Navy in response to CNO zero tolerance on the NOV message.

ISO 14000 was established on 01 September 1996 (revision planned for 2000) as a set of voluntary standards and guidelines to help businesses and organizations incorporate sound environmental management systems (EMS) into their operations and practices. The "Environmental Management Systems – Specification with Guidance for Use" specifies the requirements for an EMS. An EMS can be integrated with other management requirements to help organizations achieve environmental and economic goals. The ISO 14000 series includes standards and guidelines for EMS, environmental performance evaluations, EMS audits, environmental labeling, and environmental life-cycle assessments. Collectively, the series is intended to promote improved environmental performance while maintaining or increasing economic productivity. There are several ISO 14000 certification pilot projects ongoing across the Department of the Navy including at Naval Air Station North Island (NADEP) and Whidbey Island. In fact, NADEP achieved ISO 14000 certification in June 1999!

**What would
YOU
like to see
in this newsletter?**



**Contact: Lucreatria Holloway
(619) 532-2289**

HollowayLL@efdswnavfac.navy.mil

**Below are 10 title suggestions for
this newsletter. Tell us which one
you choose.**

- The Bridge – Where Business & Environment Meet
- The Buzz Word
- Coastal Communiqué
- Coastal EBL Bulletin
- Environmental Venture
- G(e)o West
- Reaching West
- SOCIAL Link
- Western Outreach
- Within Eyesight

PAPER-FREE INITIATIVE

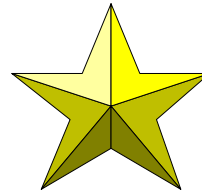
NAVFAC is using the term
"Paper-Free Initiative" without the "2000" part.

Our cost-type environmental contractors, Bechtel, Foster Wheeler, and OHM have developed web sites for our CLEAN and RAC contracts. These sites are undergoing testing now and will be up and running in the near future. Sensitive information will be password protected. In the beginning, project listings, monthly status reports, and invoice documentation will be accessible on the web. We'll keep you posted on new developments through this publication and the weekly BLAST sessions.

LOOK

**for the following to become automated
in the near future:**

- Delivery Order Proposals •Document Control
- Workload Forecast •Conferences •Events
- Workshops •Contracting Issues
- Regulatory Issues •Base-Specific Information
- Project Listing •Monthly Status Reports
- Technical Reports, and more!



NTR Tiger Team

The Environmental BLAST has formed a Tiger Team to recommend improved procedures for implementation and monitoring of environmental restoration projects. The team is headed by **Richard G. Mach, Jr.** along with several other RPMs and NTRs, the COR, contracting officers, NFESC, CECOS, and LANTDIV. The team's mission statement is "The NTR Tiger Team shall investigate the current functions being performed by the NTRs." Lessons learned and team requirements will be used to develop a standard policy for the roles and responsibilities of the NTR for SWDIV remediation work. This will include, but not be limited to, work performed by the RAC, CLEAN, PWC, and other contracting mechanisms. The NTR Tiger Team will also investigate the reasons for increased NOV's on ROICC projects and make recommendations for improving environmental compliance at the ROICCs.

The team has met three times and is working through policy issues in order to produce a Field Guidance Document, that is consistent with both policy and the way we do business throughout NAVFAC. The guidance document is planned to be produced in the fall of 1999 with training to follow distribution. If you have any comments or would like more information about the team, please contact **Richard G. Mach, Jr. (619) 556-9934** or machrg@efdswnavfac.navy.mil

Workshop

Statistical Approach to Analyzing
Background Data

21-23 September 1999
0800 to 1600 (daily)
1220 Pacific Highway, Building 127,
Blue Room, San Diego, CA
Contact: Narciso A. Ancog
ancogna@efdswnavfac.navy.mil
(619) 532-2540

Remedial Project Managers,
Remedial Technical Managers,
Contractors, and
Regulatory Personnel
are **STRONGLY** encouraged to attend

SWDIV personnel can respond via e-mail with your code and phone number. Others, please e-mail your name, job title, work address, and phone number.

Not that we're bragging, but. . .

Camp Pendleton demonstrates the Department of the Navy's commitment to technical excellence!



SWDIV has recently signed a Record of Decision (ROD) for Operable Unit 3 (OU-3) at Marine Corps Base Camp Pendleton. This ROD is the largest in the Camp Pendleton Installation Restoration Program and also the largest signed to date under SWDIV's purview! The remedial actions entail removal of over 140,000 cubic yards of contaminated soils followed by placement at a former landfill serving as a Corrective Action Management Unit (CAMU). After all the waste has been placed, the 31-acre landfill will be capped with evapotranspiration soil cover consisting of 200,000 cubic yards of clean fill. The OU-3 ROD, signed on 31 March 1999, accomplishes the following:

- ✓ summarizes six years of studies totaling \$18 million,
- ✓ documents "No Further Action" for 25 sites totaling 40 acres,
- ✓ documents the capping of a 27-acre landfill at a cost of \$6 million, and
- ✓ documents the cleanup of five sites totaling 18 acres at a cost of \$6 million.

Construction activities at the six OU-3 remedial action sites started in June 1999 and will continue through December 1999.



Environmental Quality Assessment

In August 1999, the Department of the Navy will replace the Environmental Compliance Evaluation (ECE) Program with the more comprehensive Environmental Quality Assessment (EQA) Program. The EQA Program includes six main ingredients:

- ◆ Comprehensive Self-Assessment,
- ◆ Continuous "Once a Year, All Year" Problem Solving,
- ◆ Root Cause Analysis,
- ◆ Environmental Management Systems,
- ◆ Pollution Prevention Opportunities, and
- ◆ Tailored External Assessments.

Foster Wheeler Gets a Web Page!

In support of NAVFAC's paper-free initiative, Foster Wheeler Environmental has developed a RAC web page for its Remedial Action Contracts at SWDIV, EFANW, and NORTHDIV. The web page can be accessed through the Internet via www.fwenc.net by the general public and NAVFAC commands. The RAC content within the web page will vary between NAVFAC divisions; however, all selections will include:

- **Program Overview** – gives a brief overview of the RAC scope and geographic coverage;
- **Points of Contact** – provides key Navy and Foster Wheeler staff names, telephone numbers, and e-mail addresses;
- **CTO** – provides contact information and a brief summary of each CTO;
- **Current Month Reports** – provides a monthly progress report, a current month invoice, and a submittal log (by CTO);
- **Program Reports** – provides a listing of past monthly progress reports, invoices, and miscellaneous reports; and
- **Foster Wheeler/NAVFAC Homepage** – returns the viewer to the starting point to access NAVFAC contracts.

The public will be able to access the Program Overview and Points of Contact information, but all other data will be password protected. Foster Wheeler and NAVFAC Divisions are presently establishing password access.

Environmental Restoration Quarterly FY00 Schedule

To enroll in any class, submit a CECOS Fax Quota Request Form to the CECOS Registrar via fax (805) 982-2918. The Quota Request Form, as well as confirmation of receipt, may be obtained by contacting the Registrar by phone at (805) 982-2895 or fax (805) 982-2918. CECOS information and enrollment is also available on the web at www.cnet.navy.mil/cecos/cecos.htm. Registrations should be made at least three weeks in advance to allow for adequate planning and to prevent course cancellation.

Advanced Environmental Restoration

00010	25-28 Oct 99	San Bruno, CA
00020	29 Nov-02 Dec 99	Charleston, SC

Environmental Negotiation Workshop

00010	17-19 Nov 99	Philadelphia, PA
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Environmental Risk Assessment and Management

00010	19-21 Oct 99	Norfolk, VA
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Health and Environmental Risk Communication

00010	14-16 Dec 99	San Antonio, TX
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Managing Environmental Quality Assurance

00010	02-04 Nov 99	Philadelphia, PA
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Remedy Selection and Closure

00010	16-17 Nov 99	Washington, DC
00010	16-17 Nov 99	Washington, DC



Chemical Oxidation Shows Promise at NAF El Centro

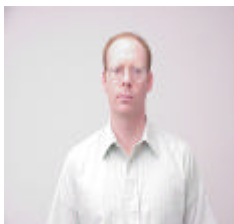
The groundwater at NAF El Centro's Site 7 (Abandoned Fuel Farm) is impacted by a high concentration of dissolved-phase fuel hydrocarbons. *In situ* chemical oxidation using a Fenton-like process has been considered for source VOC removal. Bench-scale testing on site groundwater and soil/groundwater slurry exhibited up to 98 percent destruction efficiency in three days. A three-month pilot test has been planned and California Regional Water Quality Control Board approval of the pilot test is expected within four weeks.

PACDIV awarded the Navy Unexploded Ordnance (UXO) Response Contract (NURC) to the Environmental Chemical Company (ECC) on 22 July 1999.

The NURC is accessible to all NAVFAC divisions and offers a skilled team of engineers and certified EOD technicians. ECC is well known for their work for the Army Corps of Engineers in Tierrasanta, their integral role with the SSPORTS team at Mare Island, and their recently-completed inert certification project for SWDIV on San Clemente Island. This trustworthy group is well versed in the munitions world. Their abilities go beyond cleanup work; they can issue inert certifications for range clearances and conduct spot magnetometer sweeps. The South Bay Team is working with the Ordnance Environmental Support Office, the Navy Ordnance Center Explosives Safety Division, and the Technical Center for Explosives Safety to develop a munitions waste analysis plan in order to characterize sediment (or soil) by visual inspection. The munitions waste analysis will be a practical alternative to costly sifting (running the material through a power screen) when only small quantities of munitions are suspected. The plan involves the development of a munitions threshold (a value for acceptable risk when it comes to small amounts of munitions contained in soil or sediment.)



TERRY MARTIN



Restoration Employee of the Year

SWDIV is proud to present **Terry Martin** as the 1998 Restoration Employee of the Year! The NAWS China Lake IR Program had experienced several years of minimal funding, until FY95 – FY97. Terry coordinated a comprehensive program review in early 1998. Plans were developed to prioritize the projects, restore progress, and begin building a unified program approach. Terry initiated discussions between NAWS China Lake, the CLEAN contractor, and SWDIV to resolve ongoing IR Program issues. He also began budget and contract reviews for each of the nine delivery orders and 18 CTOs that had already been awarded. Once the reviews were completed, projects were contractually modified to achieve program goals. The team also started fieldwork for background soil and groundwater evaluations, and awarded a contract for a comprehensive basewide hydrogeologic investigation project. In one short year, the team:

- established a process to account for various "points of interest" (POIs) (247 of them) and mapped them,
- conducted a well survey and developed a well location map,
- developed and implemented a fence-line groundwater monitoring system to detect chemical migration leaving the China Lake facility,
- commenced a POTW monitoring system to determine whether the city of Ridgecrest's water treatment plant was impacting groundwater resources at NAWS China Lake, and
- completed several removal actions that had been open for two years.

All of these activities were made possible by Terry's leadership. **Kim Ostrowski**, Terry's supervisor, attributes his exceptional accomplishments to his impeccable organization and proactive management style.

Way to go Terry!!!

Innovative Technologies

FOSTER WHEELER ENVIRONMENTAL

... is working at Site 14, Long Beach Naval Station, on a non-time-critical removal action using S-Phase Heating (SPH) technology for the remediation of VOC-contaminated (primarily PCE) soil and groundwater at Building 46. The work will be performed in two phases. Phase I will be a pilot scale study using a single hexagonal array (measuring 45 feet in diameter) to treat approximately 3,100 square feet in the plume. SPH will heat the groundwater to the boiling point and collect the resulting steam in the vadose zone using a conventional soil vapor extraction system. Vapor treatment will be accomplished using granular activated carbon. The pilot study is expected to take two months. If the pilot study is successful, Phase II will include a full-scale system installation and O&M to follow. The full-scale system will include 10 groundwater monitoring wells, 20 vapor extraction wells, 20 temperature monitoring points, and 85 electrodes. The remediation area is approximately 67,000 square feet. Remediation time for the entire process is expected to take approximately 12 months.

ARARs Boilerplate

BECHTEL NATIONAL, INC. is leading the charge to update Applicable or Relevant and Appropriate Requirements (ARARs) boilerplate language that was originally developed in 1994. The purpose of the boilerplate is to provide a user-friendly guide that RPMs can reference when determining ARARs for CERCLA sites. The new boilerplate will include ARARs, model language, and scenario-specific language. The goal is to publish the new guidance in the fall of 1999.

Next Issue we will present:

- **BRAC Special Report**
- **Title Contest Winner**
- **Y2K Initiatives**
- **Readers' Suggestions**